Name:

p1103: Expand Product of Linear Binomials (v5)

Question 1

Expand the product of linear binomials. $(x-2)(x-9)$

$$x^2 - 9x - 2x + 18$$

$$x^2 - 11x + 18$$

Question 2

Expand the product of linear binomials. $(x-9)(x+5)$

$$x^2 + 5x - 9x - 45$$

$$x^2 - 4x - 45$$

Question 3

Expand the product of linear binomials. $(x-7)(x-3)$

$$x^2 - 3x - 7x + 21$$

$$x^2 - 10x + 21$$

Question 4

Expand the product of linear binomials. $(6x+5)(-5x+9)$

$$-30x^2 + 54x - 25x + 45$$

$$-30x^2 + 29x + 45$$

Question 5

Expand the product of linear binomials. $(5x+3)(-x-6)$

$$-5x^2 - 30x - 3x - 18$$

$$-5x^2 - 33x - 18$$

Question 6

Expand the product of linear binomials. $(x-7)(x+6)$

$$x^2+6x-7x-42$$

$$x^2-x-42$$

Question 7

Expand the product of linear binomials. $(2x+9)(4x+8)$

$$8x^2+16x+36x+72$$

$$8x^2+52x+72$$

Question 8

Expand the product of linear binomials. $(x+8)(x-6)$

$$x^2-6x+8x-48$$

$$x^2+2x-48$$

Question 9

Expand the product of linear binomials. $(3x+8)(3x-2)$

$$9x^2-6x+24x-16$$

$$9x^2+18x-16$$

Question 10

Expand the product of linear binomials. $(-2x+1)(-6x+4)$

$$12x^2-8x-6x+4$$

$$12x^2-14x+4$$